IN THE UNITED STATES DISTRICT COURT FOR THE WESTERN DISTRICT OF TEXAS WACO DIVISION

WSOU INVESTMENTS, LLC D/B/A	§	
BRAZOS LICENSING AND	§	CIVIL ACTION 6:20-cv-00571-ADA
DEVELOPMENT,	§	CIVIL ACTION 6:20-cv-00572-ADA
Plaintiff,	§	CIVIL ACTION 6:20-cv-00573-ADA
	§	CIVIL ACTION 6:20-cv-00574-ADA
	§	CIVIL ACTION 6:20-cv-00575-ADA
	§	CIVIL ACTION 6:20-cv-00576-ADA
	§	CIVIL ACTION 6:20-cv-00577-ADA
	§	CIVIL ACTION 6:20-cv-00578-ADA
v.	§	CIVIL ACTION 6:20-cv-00579-ADA
	§	CIVIL ACTION 6:20-cv-00580-ADA
	§	CIVIL ACTION 6:20-cv-00581-ADA
	§	CIVIL ACTION 6:20-cv-00582-ADA
	§	CIVIL ACTION 6:20-cv-00583-ADA
GOOGLE LLC,	§	CIVIL ACTION 6:20-cv-00584-ADA
Defendant.	§	CIVIL ACTION 6:20-cv-00585-ADA

JOINT CLAIM CONSTRUCTION STATEMENT

TO THE HONORABLE COURT:

Pursuant to the scheduling orders in these cases, the Parties joint submit this claim construction statement.

I. Brief 1 (-571, -578, -583, and -584 Cases)

-571 Case, United States Patent No. 7,817,858	
Neither party contends terms need to be construed	

-578 Case, United States Patent No. 9,335,825 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"continuous wave doppler radar" (Claims 1 and 19) (Proposed by Defendant)	Plain and ordinary meaning	a Doppler radar that emits an uninterrupted electromagnetic signal
"at least one memory and the computer program code are configured, with the at least	Plain and ordinary meaning; 35 U.S.C. § 112, ¶6 does not apply	Subject to means-plus- function treatment under 35 U.S.C. § 112, ¶ 6.

-578 Case, United States Patent No. 9,335,825 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
one processor, to cause the apparatus to at least: detect that an application is being started on the apparatus; in response to the application being started on the apparatus, turn on a continuous wave doppler radar at the apparatus" (Claim	Fiamum's Construction	Function: detect that an application is being started on the apparatus; in response to the application being started on the apparatus, turn on a continuous wave doppler radar at the apparatus
1) (Proposed by Defendant)		Structure: none; indefinite

-583 Case, United States Patent No. 7,777,728 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"tap direction" (Claims 1, 11,	Plain and ordinary meaning	tap direction that extends
16)		between the first tap position
(Proposed by Defendant)		and a second tap position

-584 Case, United States Patent No. 8,803,697 (Disputed)	
Neither party contends terms need to be construed	

II. Brief 4 (-572, -581, and -582 Cases)

-572 Case, United States Patent No. 8,041,806 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"communication traffic exchanged with a communication network subscriber over an access communication link" (claims 1, 9, 10, 11, 14) (Proposed by Defendant)	Plain and ordinary meaning	the digital information traversing a network link between a communication network subscriber and an access network
"access network" (claims 1, 7, 9, 10, 11, 14) (Proposed by Defendant)	Plain and ordinary meaning	a network that connects a communication network subscriber to their Internet Service Provider (ISP)"

-572 Case, United States Patent No. 8,041,806 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"a behavioral information collector operable to monitor communication traffic exchanged with a	Plain and ordinary meaning	Subject to means-plus- function treatment under 35 U.S.C. § 112, ¶ 6.
communication network subscriber over an access communication link" (claims 1, 9, 10) (Proposed by Defendant)		Function: monitor communication traffic exchanged with a communication network subscriber over an access communication link Structure: none; indefinite
"the behavioral information collector being configurable to collect from any of a plurality of types of communication traffic in the monitored communication traffic behavioral information indicative of behavior of the subscriber in using the access communication link", "the behavioral information collector operable to collect from the monitored communication traffic behavioral information indicative of behavior of the subscriber in using the access communication link", and "the behavioral information collector being configurable to collect the behavioral information collector being configurable to collect the behavioral information from any of a plurality of types of communication traffic in the monitored communication traffic" (claims 1, 9, 10) (Proposed by Defendant)	Plain and ordinary meaning	Subject to means-plus-function treatment under 35 U.S.C. § 112, ¶ 6. Function: collect from any of a plurality of types of communication traffic in the monitored communication traffic behavioral information indicative of behavior of the subscriber in using the access communication link Structure: none; indefinite

-581 Case, United States Patent No. 7,304,563 (Agreed)	
Claim Term/Phrase	Agreed Construction
"maintaining means for maintaining an	Term is subject to 35 U.S.C. § 112, ¶ 6
indication of the current time"	
(claim 16)	Function: maintaining an indication of the
	current time
(Proposed by both Parties)	Structure : a clock, and equivalents thereof.
	'563 patent, 1:49-51, 2:3-4, 3:29-31, 6:39
"storing means for storing in a memory a	Term is subject to 35 U.S.C. § 112, ¶ 6
definition of an alert time"	
(claim 16)	Function : storing in a memory a definition of
	an alert time
(Proposed by both Parties)	
	Structure: a processor, a memory, and
	equivalents thereof. '563 patent, 1:51-52, 1:59-
	61, 3:43-44, 3:58-60
"signaling means"	Term is subject to 35 U.S.C. § 112, ¶ 6
(claim 16)	
	Function: locally signal to the user
	Structure: loudspeaker, and equivalents
	thereof. '563 patent, 2:57-58, 4:4-8

-581 Case, United States Patent No. 7,304,563 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"alert"	Plain and ordinary meaning	instructions causing a
(claims 1, 12, 16)		communication terminal to
		perform an action
(Proposed by Defendant)		
66-1	D1 1 1	The market formation in
"alerting unit configured to	Plain and ordinary meaning	The recited function is
issue an alert"		identical to the means-plus-
(claim 1)		function term in claim 16.
		Section 112 ¶ 6 applies.
(Proposed by Defendant)		Function: issuing an alert
		Structure: indefinite.
"signaling unit configured to	Plain and ordinary meaning	The recited function is
locally signal to a user"		identical to the means-plus-
(claim 1)		function term in claim 16.
		Section 112 ¶ 6 applies.
(Proposed by Defendant)		Function: locally signal to the
		user.

-581 Case, United States Patent No. 7,304,563 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
		Structure: loudspeaker, and equivalents thereof. '563 patent, 2:57-58, 4:4-8
"initiating [a/the] connection to the other communication terminal at a predetermined time offset from [signaling the user using the signaling unit/locally signaling the users/signaling the user by the signaling means]" (claims 1, 12, 16) (Proposed by Defendant)	Plain and ordinary meaning	initiating a link that allows direct communication between a mobile communication terminal and another predefined communication terminal at a time set apart by a predefined interval from the local signal
"the terminal" (claim 12) (Proposed by Defendant)	Plain and ordinary meaning	Indefinite
"issuing means for issuing an alert" (claim 16) (Proposed by both Parties)	Function: issuing an alert Structure: antenna, communication engine, and loudspeaker, and equivalents thereof	Function: issuing an alert Structure: none; indefinite

-582 Case, United States Patent No. 8,238,681 (Agreed)	
Claim Term/Phrase	Agreed Construction
"means for executing an autofocus algorithm	This term is subject to means-plus-function
using the assigned focus value masks"	treatment under 35 U.S.C. § 112, ¶ 6.
(Proposed by Defendant)	Function : executing an autofocus algorithm using the assigned focus value masks
	Structure : See, e.g., 3:7-9; 10:18-22; 10:39-
	51; 10:57-63; 11:58-12:3; 8:36-52; 11:41-55
"means for logically separating into a	This term is subject to means-plus-function
plurality of parts at least one sub-window of	treatment under 35 U.S.C. § 112, ¶ 6.
interest of a plurality of sub-windows of	
interest arranged in a grid formation in an	Function: for logically separating into a
autofocus window of interest"	plurality of parts at least one sub-window of
	interest of a plurality of sub-windows of
(Proposed by Defendant)	

-582 Case, United States Patent No. 8,238,681 (Agreed)		
	interest arranged in a grid formation in an autofocus window of interest	
	Structure : See, e.g., processor (3:7-9;10:18-22; 10:39-51; 10:57-63; 11:58-12:3); 7:36-43; 10:66-11:2.	

-582 Case, United States Patent No. 8,238,681 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"autofocus algorithm" (Claims 1, 9, 16, and 24) (Proposed by Defendant)	node(s) in an active state of AAA functionality	instructions to automatically adjust a lens to achieve focus
"second part in between the first part and the second part" (Claims 1, 9, 16, and 24) (Proposed by Defendant)	Plain and ordinary meaning	Indefinite
"means for assigning a focus value mask to each of the plurality of parts of the at least one sub-window" (Claim 24) (Proposed by Defendant)	This term is subject to meansplus-function treatment under 35 U.S.C. § 112, ¶ 6. Function: assigning a focus value mask to each of the plurality of parts of the at least one sub-window	This term is subject to meansplus-function treatment under 35 U.S.C. § 112, ¶ 6. Function: assigning a focus value mask to each of the plurality of parts of the at least one sub-window
	Structure : See, e.g., processor (3:7-9; 10:18-22; 10:39-51; 10:57-63; 11:58-12:3); 5:10-13; FIG. 3; 8:36-52; 11:2-4.	Structure: none; indefinite
"a processor configured to" (Claim 16) (Proposed by Defendant)	Plain and ordinary meaning	The recited functions are identical to the means-plusfunction terms in claim 24, and thus the only issue is whether this term invokes Section 112, ¶6

III. Brief 3 (-573, -575, -577 and -585 Cases)

-573 Case, United States Patent No. 7,620,967 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"broadcast" / "broadcasting" (claims 1, 7) (Proposed by Defendant)	Plain and ordinary meaning	Simultaneously transmit/transmitting to all receivers in a network

-575 Case, United States Patent No. 8,559,928 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"contact information" (claims 1, 15, 23)	Plain and ordinary meaning	Information related to the identity of and communication with an entity
(Proposed by Defendant)		
"tree structure"	Plain and ordinary meaning	A non-linear data structure
(claims 1, 15, 23)		consisting of an ordered set of
		linked nodes in a connected
(Proposed by Defendant)		graph with a unique root node
		which is not a descendent of
		any other node, and in which
		each non-root node has at
		most one parent node, zero or
		more children nodes, and a
		unique hierarchy value

-577 Case, United States Patent No. 8,751,585 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"a list of actions" and "a plurality of actions" (claims 1, 9, 17)	Plain and ordinary meaning	a finite number of selectable items each corresponding to an executable function
(Proposed by Defendant)		
"moving the selected electronic message from the inbox to the archive location after detection of the action defined in the archiving rule" (claim 1), "to move the selected electronic message from the inbox to the archive location after detection of the action defined in the	Plain and ordinary meaning	moving the selected electronic message from the inbox to a different location in memory corresponding to the previously defined archive location after the communication system detects the action defined in the archiving rule /

-577 Case, United States Patent No. 8,751,585 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
archiving rule" (claim 9), and "moving the first electronic message from the inbox of the electronic mail client associated with the user to the first storage location associated with the first archiving rule after the first action specified in the first archiving rule is detected" (claims 1, 9, 17) (Proposed by Defendant)	Not make the force of the same that the same	to move the selected electronic message from the inbox to a different location in memory corresponding to the previously defined archive location after the communication system detects the action defined in the archiving rule / moving the first selected electronic message from the inbox from the inbox to a different location in memory corresponding to the previously defined first storage location after the communication system detects the action specified in the first archiving rule
"client management processor configured to enable the user to select an electronic message from the inbox" (claim 9) (Proposed by Defendant)	Not means-plus-function. But if Section 112, ¶ 6 applies, then function is agreed and structure is message client 2	Section 112, ¶ 6 applies; function: to enable the user to select an electronic message from the inbox; structure: indefinite.
"a detection processor configured to detect the action defined in the archiving rule assigned to the selected electronic message was carried out" (claim 9) (Proposed by Defendant)	Not means-plus-function. But if Section 112, ¶ 6 applies, then function is agreed and structure is agent(s) 114a-114d	Section 112, ¶ 6 applies; function: to detect the action defined in the archiving rule assigned to the selected electronic message was carried out; structure: indefinite
"a collaborative application management processor configured to manage collaborative applications" (claim 9) (Proposed by Defendant)	Not means-plus-function. But if Section 112, ¶ 6 applies, then function is agreed and structure is databases 107, 108, 109, database 110, databases 111, 112.	Section 112, ¶ 6 applies; function to manage collaborative applications; structure: indefinite.

-585 Case, United States Patent No. 8,737,961 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"stationary state" (claims 1 and 11) (Proposed by Defendant)	Plain and ordinary meaning	Indefinite
"incrementing [of] a count[er] for a stationary state" (claims 1 and 11) (Proposed by Defendant)	Plain and ordinary meaning	incrementing a count representing time at a stationary state
"determin[e/ing] a primary set of stationary states" (claims 1 and 11) (Proposed by Defendant)	Plain and ordinary meaning	Indefinite

IV. Brief 2 (-574, -576, -579, and -580 cases)

-574 Case, United States Patent No. 8,965,045 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"a pre-emptive user output" (all claims)	Plain and ordinary meaning	an output that facilitates a user action to redefine
(Proposed by Defendant)		available pixels before the tracked object is lost
"said processor configured to	Plain and ordinary	Subject to means-plus-
provide a pre-emptive user	meaning; does not invoke	function treatment under 35
output when the sub-set of pixels approaches an edge of	35 U.S.C. § 112, ¶ 6; definite	U.S.C. § 112, ¶ 6.
the set of available pixels"		Function: provide a pre-
(claim 1)		emptive user output when the sub-set of pixels approaches
(Proposed by Defendant)		an edge of the set of available pixels.
		Structure: none; indefinite.

-576 Case, United States Patent No. 8,595,283 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"a content transfer controller configured to determine an acceptable activity period by monitoring usage of the one or more components over a particular time duration, and wherein the content transfer controller is configured to determine that an acceptable activity period is present when the usage of the one or more components is determined to have been below a particular threshold level over the particular time duration" (claim 1)	Plain and ordinary meaning	Subject to means-plus- function treatment under 35 U.S.C. § 112, ¶ 6. Function: determine an acceptable activity period by monitoring usage of the one or more components over a particular time duration, and determine that an acceptable activity period is present when the usage of the one or more components is determined to have been below a particular threshold level over the particular time duration
(Proposed by Defendant)		Structure: none; indefinite
"the content transfer controller being arranged: to initiate transfer of the selected item of content from a content provider device according to the determination of an acceptable activity period, to receive the selected item of content, and to store the received item of content on memory" (claim 1) (Proposed by Defendant)	Plain and ordinary meaning	Subject to means-plus- function treatment under 35 U.S.C. § 112, ¶ 6. Function: initiate transfer of the selected item of content from a content provider device according to the determination of an acceptable activity period, receive the selected item of content, and store the received item of content on memory Structure: none (indefinite
"the selected item of content" (claims 1, 2, 3, 10, 21) (Proposed by Defendant)	Plain and ordinary meaning	the item of content selected for transfer by the user via the user interface
"an acceptable level of device activity" (claim 21)	Plain and ordinary meaning	Indefinite

-576 Case, United States Patent No. 8,595,283 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
(Proposed by Defendant)		
"monitoring usage of one or more componentsover a particular time duration" (claims 1, 10) (Proposed by Defendant)	Plain and ordinary meaning	monitoring the use of one or more components throughout a limited, non-instantaneous period of time

-579 Case, United States Patent No. 8,640,180 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"client-side compositing of media streams" (all claims)	Plain and ordinary meaning; preamble is not limiting	Preamble is limiting
(Proposed by Defendant)		
"wherein the compositing-instruction substream indicating the area of the display screen to display the at least one media substream is an area to display one of the on screen display and a picture-in-picture" (claims 8, 21) (Proposed by Defendant)	Plain and ordinary meaning	Indefinite

-580 Case, United States Patent No. 7,946,491 (Disputed)		
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction
"the input image" (claims 1, 13, 25, and 41) (Proposed by Defendant)	Plain and ordinary meaning	the original input image
"performing a correction on the input image" (claims 1, 13, 25, and 41)	Plain and ordinary meaning	correcting the content of the original input image

-580 Case, United States Patent No. 7,946,491 (Disputed)			
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction	
(Proposed by Defendant)			
"new frame" (claims 1, 13, 25, and 41) (Proposed by Defendant)	Plain and ordinary meaning; definite	Indefinite	
"computer program product comprising at least one computer-readable storage medium having computer-readable program code portions stored therein, the computer-readable program code portions comprising a first/second/third/fourth/fifth executable portion for" (claim 13) (Proposed by Defendant)	plain and ordinary meaning; does not invoke 35 U.S.C. § 112, ¶ 6; definite.	the recited functions are identical to the means-plus-function terms in claim 41, thus the only issue is whether this term invokes Section 112, ¶ 6.	
"apparatus comprising a processor and memory including computer program code, the memory and the computer program code configured to, with the processor, cause the apparatus at least to" (claim 25) (Proposed by Defendant)	plain and ordinary meaning; does not invoke 35 U.S.C. § 112, ¶ 6; definite.	the recited functions are identical to the means-plus-function terms in claim 41, thus the only issue is whether this term invokes Section 112, ¶ 6.	
"means for processing an input image for an attempt to decode the input image using a current barcode reading method, the processing including performing a correction on the input image" (claim 41) (Proposed by both Parties)	Function: processing an input image for an attempt to decode the input image using a current barcode reading method. Structure: barcode reading element 70, processing element 72, operation 200	Function: processing an input image for an attempt to decode the input image using a current barcode reading method, the processing including performing a correction on the input image Structure: 9:58 to 11:23, 15:25 to 16:52.	

-580 Case, United States Patent No. 7,946,491 (Disputed)			
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction	
"means for determining whether the processing of the input image is successful based on a determination as to whether the correction is completed" (claim 41) (Proposed by both Parties)	Function: determining whether the processing of the input image is successful based on a determination as to whether the correction is completed Structure: processing element 72, operations 210-230	Function: determining whether the processing of the input image is successful based on a determination as to whether the correction is completed Structure: none; indefinite	
"means for switching to one of a different barcode reading method or processing a new frame of the input image using the current barcode reading method in response to the processing of the input image being unsuccessful" (claim 41) (Proposed by both Parties)	Function: switching to one of a different barcode reading method or processing a new frame of the input image using the current barcode reading method in response to the processing of the input image being unsuccessful Structure: processing element 72, operations 260-270	Function: switching to one of a different barcode reading method or processing a new frame of the input image using the current barcode reading method in response to the processing of the input image being unsuccessful Structure: none; indefinite	
"means for attempting a decode of the input image using the current barcode reading method in response to the processing of the input image being successful" (claim 41) (Proposed by both Parties)	Function: attempting a decode of the input image using the current barcode reading method in response to the processing of the input image being successful" Structure: barcode reading element 70, processing element 72, operations 220, 270	Function: "attempting a decode of the input image using the current barcode reading method in response to the processing of the input image being successful" Structure: none; indefinite	
"means for performing a switch to the different barcode reading method in response to a failure of the attempt to decode the input image using the current	Function: performing a switch to the different barcode reading method in response to a failure of the attempt to decode the input	Function: performing a switch to the different barcode reading method in response to a failure of the attempt to decode the input	

-580 Case, United States Patent No. 7,946,491 (Disputed)			
Claim Term/Phrase	Plaintiff's Construction	Defendant's Construction	
barcode reading method"	image using the current	image using the current	
(claim 41)	barcode reading method	barcode reading method	
(Proposed by both Parties)	Structure: barcode reading element 70, processing element 72, operations 230, 270	Structure: none; indefinite	

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